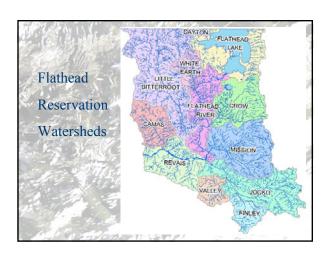
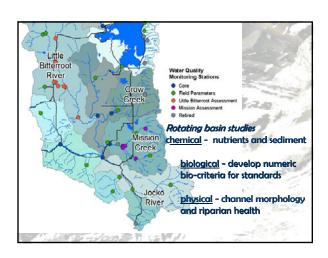


Fisheries	Water rights
Wildlife	Shoreline protection
Recreation	Air quality
Roads	Water quality
Safety of dams	Wetlands
Water management	Solid Waste
GIS	Nonpoint Pollution

### CSKT Partnership with EPA Treatment As State (TAS) Status for: Clean Water Act: Section 106 – Water quality monitoring Section 303 – Water quality standards Section 319 – Nonpoint source program Section 401 – Certification for compliance with water quality standards

# CSKT Water Quality Monitoring History Tribal water quality data collection begins early 70's EPA program start up - 1988 Rotating basin monitoring approach Started with Mission watershed assessment in 1998



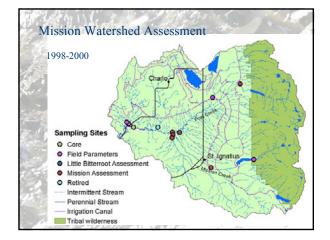


### Development of NPS Program

- Primary NPS stressors on the Flathead Reservation
  - Sediment
  - Temperature
  - **Nutrients**
- Primary causes
  - Irrigation diversions and return flows
  - Unregulated grazing
  - Loss of riparian vegetation
  - Channel Modification

### NPS Projects Based on WQ Assessment

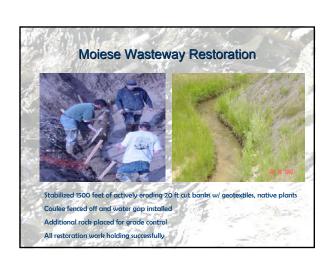
- Initial NPS grant award 2003
  - riparian restoration and irrigation return projects
  - Moiese Wasteway = >20% of sediment load to Mission Creek
- Project focus expanded in later years
  - reducing impacts from animal feeding operations
  - restoring stream function in heavily disturbed reaches



### Moiese Wasteway Rehabilitation

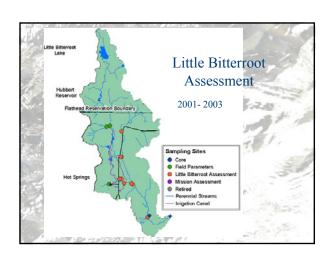
- Irrigation Return Flow
- Massive gully erosion
- Identified as source of 21% of sediment to lower Mission Creek
- Project funded by EPA (106 and 319), fisheries, wildlife and irrigation divisions

















## McDonald Ranch Project Fencing and water gaps to protect restoration plantings and allow degraded areas to recover Natural channel design stabilize eroding banks develop more functional stream morphology Planting of native woody plant species

